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PATENT

The below claims replace all previous versions of the claims.

Claims 1-67. Canceled

- 68) (Currently Amended) A heat insulating paper cup ~~prepared from~~ comprising:
- a) a body member having an inside surface and an outside surface, wherein the body member is coated or partially coated on the inside surface with ~~an unfoamed~~ a modified low density polyethylene and on the outside surface with a ~~foamed~~ foamable low density polyethylene; and
  - b) a bottom panel member having an upper surface and a bottom surface, wherein the bottom panel member is coated or partially coated on the upper surface with ~~an unfoamed~~ a low density polyethylene or an unfoamed a modified low density polyethylene,

wherein the body member and bottom panel member are oriented and joined to form a heat seal at an interface between a coated portion of the inside surface of the body member and a coated portion of the upper surface of the bottom panel member.

- 69) (Previously Presented) The heat insulating paper cup of claim 68, wherein the modified low density polyethylene will not foam under conditions of about 240 °F to about 270 °F and a residence time of about 1.5 to about 2.5 minutes when the cup is subjected to foaming operations in a forced hot-air oven.

- 70) (Currently amended) The heat insulating paper cup of claim 68, wherein the foamable low density polyethylene entirely covers the outer surface of the body member.

- 71) (Canceled)

- 72) (Currently amended) The heat insulating paper cup of claim ~~71~~ 68, wherein the ~~inner lining~~ modified low density polyethylene on the inside surface of the body member provides a seal to prevent the penetration of liquid contents into the paper during use.

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- 73) (Currently amended) The heat insulating paper cup of claim 68, wherein water is present in the body member ~~and the bottom panel member~~ prior to foaming of the ~~cup~~ foamable low density polyethylene, and wherein the ~~inner lining~~ modified low density polyethylene on the inside surface of the body member prevents the water present in the paper from evaporating directly into air atmosphere when the cup is heated during a foaming operation.
- 74) (Previously Presented) The heat insulating paper cup of claim 68, wherein the low density polyethylene on the outer surface of the body member is from 25 to 60  $\mu\text{m}$ .
- 75) (Previously Presented) The heat insulating paper cup of claim 68, wherein the low density polyethylene or modified low density polyethylene are present on the inner body member surface and inner bottom panel surface in an amount sufficient to prevent permeation of liquid through the respective members during use.
- 76) (Previously Presented) The heat insulating paper cup of claim 68, prepared from paper sheets comprising from about 3 % to about 10 % water.
- 77) (Currently Amended) The heat insulating paper cup of claim 68, wherein the modified low density polyethylene is present and wherein the polyethylene is modified by blending with a suitable amount of high density polyethylene to prevent the ~~blend~~ modified low density polyethylene from foaming when the cups are subjected to a foaming operation.
- 78) (Currently Amended) The heat insulating paper cup of claim 77, wherein the ~~blend~~ modified low density polyethylene comprises from approximately 90 % low density polyethylene and 10 % high density polyethylene to 10 % low density polyethylene and 90 % high density polyethylene.

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79) (Currently Amended) The heat insulating paper cup of claim 77, wherein the blend modified low density polyethylene comprises from about 2 % to about 7% high density polyethylene.

80) (Previously Presented) The heat insulating paper cup of claim 68, wherein the heat seal will not peel apart at a 180 ° angle at a crosshead speed of 1 inch per minute when tested on a Model 4202 Instron Tensile Tester.